



### Academic Personnel Short Profile / Short CV

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|---------------------------|---|
| <b>University:</b>        | University of Nicosia   |
| <b>Surname:</b>           | Pouyioutas  |
| <b>Name:</b>              | Philippos   |
| <b>Rank:</b>              | Professor/Rector  |
| <b>Faculty:</b>           | Sciences and Engineering  |
| <b>Department:</b>        | Computer Science  |
| <b>Scientific Domain:</b> | 5G Networks, Databases, Quality Assurance and Enhancement in Higher Education, IT Tools in Higher Education |

| Academic qualifications                            |      |   |                  |   |
|--|------|---|------------------|---|
| Qualification                                      | Year | Awarding Institution                      | Department       | Thesis title  |
| PhD (Object-Oriented Databases)                    | 1996 | University of London (Birkbeck College)   | Computer Science | Formalizing the Extended Object-Oriented Database Model |
| MSc Databases and Information Systems              | 1989 | University of London (Birkbeck College)   | Computer Science | A Nested Relational Database Model                      |
| BSc Computer Science                               | 1988 | University of London (Queen Mary College) | Computer Science | TINY Interpreter  |
| CertEd (Teaching and Learning in Higher Education) | 1994 | University of North London                | Education        | Portfolio for Distance Learning                         |

| Employment history   |         |  |                   |   |  |
|----------------------|---------|--|-------------------|---|--|
| Period of employment |         | Employer                                   | Location          | Position  |  |
| From                 | To      |  |                   |   |  |
| 9/2007               | Present | University of Nicosia                      | Nicosia<br>Cyprus | Professor (9/2007 - )<br>Rector (4/2016 - )<br>Vice Rector (4/2008 – 3/2016)<br>Director of Academic Affairs (9/2007- 3/2016)   |  |
| 9/1996               | 8/2007  | Intercollege                               | Nicosia<br>Cyprus | Assistant Professor (9/1996 - 12/2000)<br>Associate Professor (1/2001 - 12/2005)<br>Professor (1/2006 – 8/2007)<br>Director of Academic Affairs (2/1998 - 8/2007)<br>Associate Academic Dean (10/2000 - 8/2007) |  |
| 9/1992               | 8/1996  | University of North London                 | London<br>UK      | Programme Director - BSc Business Information Systems<br>F/T Lecturer Computer Science  |  |
| 9/1989               | 8/1996  | University of London<br>(Birkbeck College) | London<br>UK      | P/T Lecturer for the MSc Databases and Information Systems  |  |

| Key refereed journal papers, monographs, books, conference publications etc. |      |  |  |  |           |         |
|--|------|--|--|--|-----------|---------|
| Ref. Number  | Year | Title  | Authors  | Journal and Publisher / Conference   | Vol.      | Pages   |
| 1  | 2025 | Performance Evaluation of Downlink/Uplink Decoupling in 5G Multiple Input Multiple Output Networks | Tsachrelas, Katsigiannis, Kokkinos, Gkamas, Bouras, Pouyioutas | International Journal of Interactive Mobile Technologies (ijIM)<br><a href="https://online-journals.org/index.php/ijim/article/view/57035/16627">https://online-journals.org/index.php/ijim/article/view/57035/16627</a> | 19 No. 19 | 86-103  |
| 2  | 2025 | Game Theory Algorithms for Resource Allocation in 5G MIMO  | Tsachrelas, Katsigiannis, Kokkinos, Gkamas,                    | International Journal of Interactive Mobile Technologies (ijIM)<br><a href="https://online-journals.org/index.php/ijim/article/view/56051/16383">https://online-journals.org/index.php/ijim/article/view/56051/16383</a> | 19 No. 13 | 183-203 |

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|          |      |   | Bouras,<br>Pouyioutas  |   |   |         |
| <b>3</b> | 2025 | Game Theoretic Reinforcement Learning for Mobility-Aware Resource Allocation in 5G MIMO | Tsachrelas,<br>Katsigiannis,<br>Kokkinos,<br>Bouras,<br>Gkamas,<br>Pouyioutas  | 20th International Conference on Broadband and Wireless Computing, Communication and Applications (BWCCA-2025), November 12 - 14, 2025, Sharjah, United Arab Emirates, <a href="https://voyager.ce.fit.ac.jp/conf/bwcca/2025/">https://voyager.ce.fit.ac.jp/conf/bwcca/2025/</a>                      |   |         |
| <b>4</b> | 2025 | Robust Protection of 5G MIMO Networks from Jamming Attacks via Adaptive Beamforming     | Tsachrelas,<br>Katsigiannis,<br>Kokkinos,<br>Bouras,<br>Gkamas,<br>Pouyioutas. | 20 <sup>th</sup> International Conference on Future Networks and Communications, August 4-6, 2025, Leuven, Belgium, Procedia Computer Science, ISSN: 18770509   | Vol 265   | 65 - 72 |
| <b>5</b> | 2025 | DUDe-Assisted Uplink Optimization in Dense IoT-Driven 5G Environments                   | Chatzigeorgiou,<br>Bouras,<br>Kokkinos,<br>Gkamas,<br>Pouyioutas.              | 12 <sup>th</sup> International Symposium on Networks, Computers and Communications (ISNCC'25), Paris - France October 27 to 30, 2025. <a href="https://www.isncc-conf.org/">https://www.isncc-conf.org/</a>   | <a href="https://drive.google.com/file/d/1ImX7VdxTNfleDwSDkfRp_AjZYgwGiko/view">https://drive.google.com/file/d/1ImX7VdxTNfleDwSDkfRp_AjZYgwGiko/view</a> |         |
| <b>6</b> | 2025 | Evaluating Security Techniques in 5G MIMO-Based IoT Networks                            | Katsigiannis,<br>Tsachrelas,<br>Kokkinos,<br>Gkamas,<br>Bouras,<br>Pouyioutas  | 16 <sup>th</sup> International Conference on Ubiquitous and Future Networks (ICUFN) 2025, 8-11 July , 2025, Lisbon, Portugal. <a href="https://www.manuscriptlink.com/society/kics/conference/icufn2025/programBook">https://www.manuscriptlink.com/society/kics/conference/icufn2025/programBook</a> |   |         |
| <b>7</b> | 2025 | Comparative Analysis for Doppler Shift Prediction in High-Speed 5G Scenarios            | Katsigiannis,<br>Tsachrelas,<br>Kokkinos,<br>Gkamas,                           | 16 <sup>th</sup> International Conference on Ubiquitous and Future Networks (ICUFN) 2025, 8-11 July , 2025, Lisbon, Portugal.   |   |         |

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|           |      |   | Bouras,<br>Pouyioutas   | <a href="https://www.manuscriptlink.com/society/kics/conference/icufn2025/programBook">https://www.manuscriptlink.com/society/kics/conference/icufn2025/programBook</a>   |   |         |
| <b>8</b>  | 2025 | A Reinforcement Learning Approach On Self-Optimizing Heterogeneous Networks               | Prodromos, Diasakos, Gkamas, Kokkinos, Bouras, Pouyioutas.      | 30th IEEE Symposium on Computers and Communications - ISCC 2025, 2 - 5 July 2025, Bologna Italy   | <a href="https://isc25.eng.unibo.it/">https://isc25.eng.unibo.it/</a>       |         |
| <b>9</b>  | 2025 | Distinguishing Signal from Noise in 5G MIMO Systems Using Generative Adversarial Networks | Diasakos, Prodromos, Gkamas, Kokkinos, Bouras, Pouyioutas.      | 12 <sup>th</sup> IFIP International Conference on New Technologies, Mobility and Security June 18-20, 2025 Paris, France  | <a href="https://ntms.dnac.org/program/">https://ntms.dnac.org/program/</a> | 115-121 |
| <b>10</b> | 2025 | Enhancing Real-Time IoT Applications: Latency Reduction Techniques in 5G MIMO Networks    | Katsigiannis, Tsachrelas, Kokkinos, Bouras, Gkamas, Pouyioutas. | Lecture Notes on Data Engineering and Communications Technologies, 2025, The 19 <sup>th</sup> International Conference on Broadband and Wireless Computing, Communication and Applications, November 13 - 15, 2024, San Benedetto del Tronto, Italy. Advances on Broad-Band Wireless Computing, Communication and Applications, Springer Verlag | 231   | 14-26   |

| Research Projects |               |  |           |                 |
|-------------------|---------------|--|-----------|-----------------|
| Ref. Number       | Date          | Title  | Funded by | Project Role    |
| 1                 | 07/25 – 06/28 | DEXIT Digital EXcellence In Tourism ERASMUS-EDU-2025-CBHE-STRAND-2 Capacity Building in the field of Higher Education: Strand 2 - Partnerships for transformation in higher education  | EACEA     | Partner Manager |
| 2                 | 05/25 – 04/27 | LOTUS - EIT HEI Innovation Capacity Building For Higher Education.<br><a href="https://labgeo.plandevl.auth.gr/project/lotus/">https://labgeo.plandevl.auth.gr/project/lotus/</a>  | EU        | Partner Manager |
| 3                 | 01/25 – 12/27 | EAGLE - Enhancing higher education e-learning structures and modules in conflict regions of East Africa, Capacity Building in the field of Higher Education: Strand 2 - Partnerships for transformation in higher education. <a href="https://eagle.webs.upv.es/#main-slider">https://eagle.webs.upv.es/#main-slider</a> | EACEA     | Partner Manager |
| 4                 | 1/24 – 12/27  | NEOLAIa, ERASMUS-EDU-2023-EUR-UNIV-2, European University Alliances<br><a href="https://neolaiacampus.eu/">https://neolaiacampus.eu/</a>   | EACEA     | Partner Manager |
| 5                 | 6/23 – 5/26   | CS4All - Cybersecurity for All, ERASMUS-EDU-2022-CBHE-STRAND-2, Capacity Building in the field of Higher Education: Strand 2 - Partnerships for transformation in higher education. <a href="https://cs4all.studentscenter.in/index.html">https://cs4all.studentscenter.in/index.html</a>                                | EACEA     | Partner Manager |
| 6                 | 1/22 - 12/24  | GeoCLIC - GEOinformation educational resources for CLImate Change Management, KA220-HED - Cooperation partnerships in higher education <a href="https://geoclic.be/">https://geoclic.be/</a> .   | EACEA     | Partner Manager |
| 7                 | 1/21 - 12/24  | SPIRIT - SPort and Physical Education as a Vehicle for Inclusion and Recognition in India, Indonesia and Sri Lanka, Erasmus+ EPPKA2 - Cooperation for Innovation and the Exchange of Good Practices, Capacity Building in Higher Education. <a href="http://spirit-eu.org/index.php">http://spirit-eu.org/index.php</a>  | EACEA     | Partner Manager |
| 8                 | 1/20 - 12/21  | LIFE TWO – Learning Interculturality From Religions Towards Outreach Activities, KA2 Erasmus+ <a href="https://www.lifetwo.eu">https://www.lifetwo.eu</a>  | EACEA     | Partner Manager |
| 9                 | 1/20 – 12/22  | UN4DRR - University Network for Disaster Risk Reduction and Management in Indian Ocean Rim, KA2 Erasmus+ Capacity Building in Higher Education<br><a href="https://www.un4drr.com">https://www.un4drr.com</a>  | EACEA     | Partner Manager |
| 10                | 9/19 – 8/22   | SHIFT Schools Harnessing Inclusive Facilitator Technology, KA2 Erasmus+ <a href="https://www.il3.ub.edu/international/shift-project-eu/">https://www.il3.ub.edu/international/shift-project-eu/</a> .  | EACEA     | Partner Manager |

| <b>Academic Consulting Services and/or Participation in Councils / Boards/ Editorial Committees.</b> |               |  |  |   |
|--|---------------|--|--|---|
| <b>Ref. Number</b>   | <b>Period</b> | <b>Organization</b>  | <b>Title of Position or Service</b>  | <b>Key Activities</b>   |
| <b>1</b>   | 2021 -        | NEOLAiA European University Alliance   | Member of the Rectors Governing Board  | Oversee the activities of the NEOLAiA European University Alliance  |
| <b>2</b>   | 2022 - 2025   | Cyprus Rectors' Conference Executive Board   | General Secretary (2022-2023)<br>Vice President (2023-2024)<br>President (2024-2025)   | Serves on the 3-member Governing Board of the Cyprus Rectors' Conference which coordinates the activities of the Rectors' Conference  |
| <b>3</b>   | 2020 -        | Association of Commonwealth Universities (ACU)   | Member of Regional Committee - Europe  | ACU regional committees aim to <ul style="list-style-type: none"> <li>• enhance links between members in different Commonwealth regions and to demonstrate the value of regional and international collaborations</li> <li>• ensure the ACU is supporting members' priorities as well as those of national governments and higher education bodies.</li> <li>• deliver a more structured contribution to the strategic plan and will be empowered to lobby governments for funding for scholarships or ACU run programmes.</li> </ul> |
| <b>4</b>   | 2018          | TESLA Adaptive Trust based e-assessment System for e-Learning<br><a href="http://tesla-project.eu/">http://tesla-project.eu/</a> | Evaluation Expert  | <ul style="list-style-type: none"> <li>• Chaired the Review panel which evaluated the implementation of TESLA at the UK Open University</li> <li>• Consulting on the e-assessment evaluation methodology</li> </ul>   |
| <b>5</b>   | 2016          | Hellenic Quality Assurance Agency  | Member of the External Evaluation Committee (EEC) for the Institutional Evaluation of the Piraeus University of Applied Sciences, Greece | Participated as a member of the Evaluation Committee and wrote parts of the Institutional Evaluation Report   |
| <b>6</b>   | 2015 – 2023   | EURASHE  | Member of the Quality Assurance Working Group  | Specific tasks of the working group include: <ul style="list-style-type: none"> <li>• Follow-up on the BFUG activities in quality assurance and transparency, in between Ministerial meetings of the European Higher Education Area</li> </ul>  |

|          |           |   |   |  |
|----------|-----------|---|---|--|
|          |           |   |   | <ul style="list-style-type: none"> <li>• Prepare and organise events of EURASHE on topics linked to quality assurance</li> <li>• Provide feedback and input for the discussions in the E4-Group</li> <li>• Consultation in relation to the official EU policy in quality assurance, and especially in connection with our input for the European Commission's Progress Report on Quality Assurance</li> <li>• Disseminate information on the annual EQAF, organised by EURASHE jointly with E4 partners EUA, ENQA and ESU</li> <li>• Follow-up on EQAR's activities, including its Register Committee and its Board</li> <li>• Provide expert advice and input for the drafting of policy papers, statements on quality assurance, and if requested contribute to writing articles, manuals or guidebooks on quality assurance and related issues</li> <li>• Support the application for projects in the area of quality assurance.</li> </ul> |
| <b>7</b> | 2013-2017 | Council of the Cyprus State Scholarship Foundation      | Member  | Developed rules and regulations for state scholarships, chaired and participated in evaluation meetings, prepared algorithms and pseudo code for the implementation of the academic criteria for scholarships, etc.  |
| <b>8</b> | 2013      | Lithuanian Quality Assurance Agency of Higher Education | Chair and Member of External Evaluation Committees for Computer Science Bachelor and Master programmes – Lithuania (Vilnius University, Lithuanian University of Educational Sciences, Mykolas Romeris University, Kaunas University of Technology, Vytautas Magnus University) | Chaired one Evaluation Committee and participated as member in a second one for evaluation of computer Science programmes of Lithuanian Universities. Prepared reports for the Lithuanian Quality Assurance Agency   |
| <b>9</b> | 2007-2014 | Cyprus Life-Long Learning National Agency               | Bologna Expert  | <ul style="list-style-type: none"> <li>• Represented Cyprus in EU meetings for the Bologna Process</li> </ul>  |

|           |        |  |                             |   |
|-----------|--------|--|-----------------------------|---|
|           |        |  |                             | <ul style="list-style-type: none"> <li>• Provided consultation to Higher education Institutions in Cyprus to reengineer their academic programmes with ECTS and Learning Outcomes</li> <li>• Delivered presentations and invited talks on the Bologna Process to various Higher education stakeholders</li> </ul> |
| <b>10</b> | 2010 - | International Journals and Conferences | Chair/Panel Member/Reviewer | 120+  |

| <b>Awards / International Recognition</b> |             |   |   |
|---|-------------|---|---|
| <b>Ref. Number</b>                        | <b>Date</b> | <b>Title</b>  | <b>Awarded by:</b>  |
| <b>1</b>                                  | 2009 -      | Invited Speaker/Presenter at Conferences/Events for Quality Assurance and Higher Education Area Reforms (15)  | Several International Organizations including EUA, EURASHE, ENQA, ESU, ASEF   |
| <b>2</b>                                  | 2006        | Best Paper Award - Philippos Pouyioutas, Maria Poveda and Dmitri Apraksine (2006) - “The Database Model and the System Architecture of a National Learning Objects Repository for Cyprus” | <i>5th International Conference on Web-Based Learning, July, 2006, Malaysia, Published in Springer Verlag, Lecture Notes in Computer Science, 4181, pp. 114-122</i> |
| <b>3</b>                                  | 1991 - 1993 | Scholarship for PhD Studies   | Leventis Foundation   |
| <b>4</b>                                  | 1990 -1993  | Scholarship for PhD Studies   | Overseas Research Scheme (ORS)  |
| <b>5</b>                                  | 1989-1992   | Scholarship for PhD Studies   | University of London  |

| <b>Other Achievements</b> |                  |  |  |
|---------------------------|------------------|--|--|
| <b>Ref. Number</b>        | <b>Date</b>      | <b>Title</b>   | <b>Key Activities:</b>   |
| <b>1</b>                  | 2020 - present   | Member of the Committee for the University of Nicosia Rankings Applications (Times Higher Education, QS) | Evaluates the data against the Ranking Criteria and finetunes the applications                                   |
| <b>2</b>                  | 2013, 2012, 2010 | Chair and Co-ordinator of the Applications for the ECTS and the Diploma Supplement Labels                | Co-ordinated the process for re-engineering the University of Nicosia academic programmes with ECTS and Learning |



|          |                |  |  |
|----------|----------------|--|--|
|          |                |  | Outcomes. ECTS Label and Diploma Supplement Label awarded to the University                            |
| <b>3</b> | 2013           | Co-ordinator for the U-Multirank University of Nicosia Application | Co-ordinated the process for the evaluation of the University by U-Multirank                           |
| <b>4</b> | 2007 - present | Vice Rector (2007-2016), Rector (2016 - )                          | In charge of the Institutional and Programme Evaluation and Accreditation of the University of Nicosia |